

TECH CENTER 1600/2900

FIG. 2A

```
(15-45)
      (15-45)
     (15-45)
      (15-45)
      (15-45)
          (15-45)
                (15-45)
hpcgenanti.p3
      (15-45)
hpchcv.p2 (15-45)
     (15-45)
(15-45)
hcj1
hct18
hct27
      (15-45)
      (15-45)
ge12 (15-45)
LG (15-45)
        (15-45)
us4.tc (15-45)
    (15-45)
hpcvjk4.p (15-45)
hpce2cor p (15-45)
hpcns34d p (15-45)
       (15-45)
FTO.1
       (15-45)
re7 (15-45)
hcvkf (16-46)
arg2.tc (15-45)
hcj6 (15-45)
hpchcj5.p (15-45)
rs1.pep (15-45)
re71 (15-45)
re6 (15-45)
hcj8.pep_ (15-45)
     (15-45)
re40
hpcencr.p (15-45)
        (15-45)
re55b
aus1.tc
        (15-45)
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(15-44)

(15-45)

(15-45)

PC2.1

hct23

re34

```
Ē.Y.Š. Ă. Q. ĀRFAGF QS AK N. . .
  N.Y.S. T.GH.GH.LTA. SP.A. N....
E.YTS..A.SH..STLA..SP.A..R..V
H.LT..H..L.S.FAG..TP.P..R...
E.I.S..Q...AMS.LV..TP.AK.N...
E.YTS..N.GH.MT.IVRF.AP.PK.NVH...
T.YT...N...QALT.F.SP.AK.D...
 E YT. ST. Q LV. ŠR AK D. A YTS. S. Q FA SL SQ K. V
  A.YT. SV. H.FS. SQ.AK.N.
V.YT...ŠQ..H.QSVŤ.F.ŤQ.PA.R...
H.YT...TV..S.Q.LVGFLSP.P..N...
T.Y.SV.H.SQ..RRVA.F.SP.SA.K...V
T.T.S..H.SQI.R.VT.F.SP.SA.K...V

K.SL..VTR..AAARLTA..SS.P..R...
G.SL..AR..AAS.LAG..SS.P..R...
V.Q.SPPQ.GY..SVLTGILSP.AK.N...V

V.Q.S..Q.GY..SVLTGILSP.AK.N...V

G.YTV..AS.F..SRLT..AL.P..R...V
N.HTV..TEGFA.QRLT..AL.P..K..V

N.HTV..TEGFA.QRLT..AL.P..K...

S.RTA..AQ.FN.Y.VA.I.SP.P..R..V

Q.HTV..ST.HNARTLTGM.SL.AR.K...

N.RTVA.S..A..R.FT.M.SS.SK.NL...

Q.RTV..QVGHSVR.FT..SA.SA.N...

E.HT..AVSGH.NVLT..SS.S..N...

V.RT..EV...ANTFA...TT.P..N..I.

T.YSS.QE.G..VA.FAG..TT.AK.NLY..

S.S.V.RQ.SA.FRFT.F.SR.PT.E.K..

N.YT.A.SM.QSIYRLTDI.ST.P..KL..V

R. ILMA.RQ.FV.QSFPG..SLAP..K.H..
   R.ILMA.RQ.EV.QSFPG..SLAP..K.H..
  D.YA...SV.SIMA.IARF.SP.AR.D....
E.YA..AS.GHDVSSFAR.AP.AR.N...-
   E.HR...S...S.A.VA...TP.AR.N....
   N.RAV.MVQS...YALT...DS.AA.KL..V
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FIG. 2B



Hutchinson	Strains:	395	407	
H77 H90	384ETHVTGGSAG	GRTTAGLVGLI SVL-IASF	TPGAKQNIQLI R-P	41 197 <i>7</i> 1990
HC-J4	Strains:	395	407	
HPCJ483 J48711	384ETYTSGGAAS	SH <u>TTSTLASLI</u>	FSPGASQRIQLV	414 1983
J48712 J48713	AAV	RFT-F	Š Š	1987
J48714 J48715 HPCJ491 J49120 J49121	H-T-RV-(H-T-RVV	GGFT GRGFT GRGFT GRGFT	SK SK	1991
J49122 J49126 J49127		GRGFTGRGFTGFT		
NY	Strains:	395	407	
NY1.1 NY1.2	384STRVTGGQQ	GRAVHGIASL	FSLGASQKIQLV -RE	/414 t ₀
NY1.3 NY2.1			N -RN	•
NY2.2 NY3.1 NY3.2 NY3.3	GR-	A-SLT	-RN PN PEN-R	
NY3.4 NY3.5 NY4.1 NY4.2 NY4.3	HAL- Q-M Q-M	AYSL	_	- 14mo
RS	Strains:	395	407	
RS1.1.	384RTRTVGGQV	GH <u>SVRGFTSL</u>	<u>FSAGS</u> AQNIQL	[414 t ₀
RS1.3. RS2.4. RS3.1.	Q Q		D L	- - 2mo - 6mo
RS4.1. RS4.2. RS5.1.	Q-HM Q-HM	GL GL-N-		- 8mo - 11mo

FIG. 3



ion Posit Acid Amino

Position: AA Each for Character AA Conserved

189

Legend

(invariantly conserved) acids amino identical 99-100% #

conserved) (invariantly substitutions acid amino conserved 100% ##

substitutions acid amino conserved 266-06 #

substitutions acid amino conserved 80-89% ങ

substitutions acid amino conserved

(highly variable) substitutions acid amino conserved 76-69%

time sequential temporarily in substitutions th the least conserved amino acid ndividual patients (Figure 3). position wit points in ir **6**

Note

amino acids of homologous M 05 ~ only utilize (A,P,S) 407 and (6,A)403 (F,L), 406 respectively. Positions 4 character, others conserved for acid, all ition 407, case of amino acid posi character and/or size in the Position 394 hydrophobic

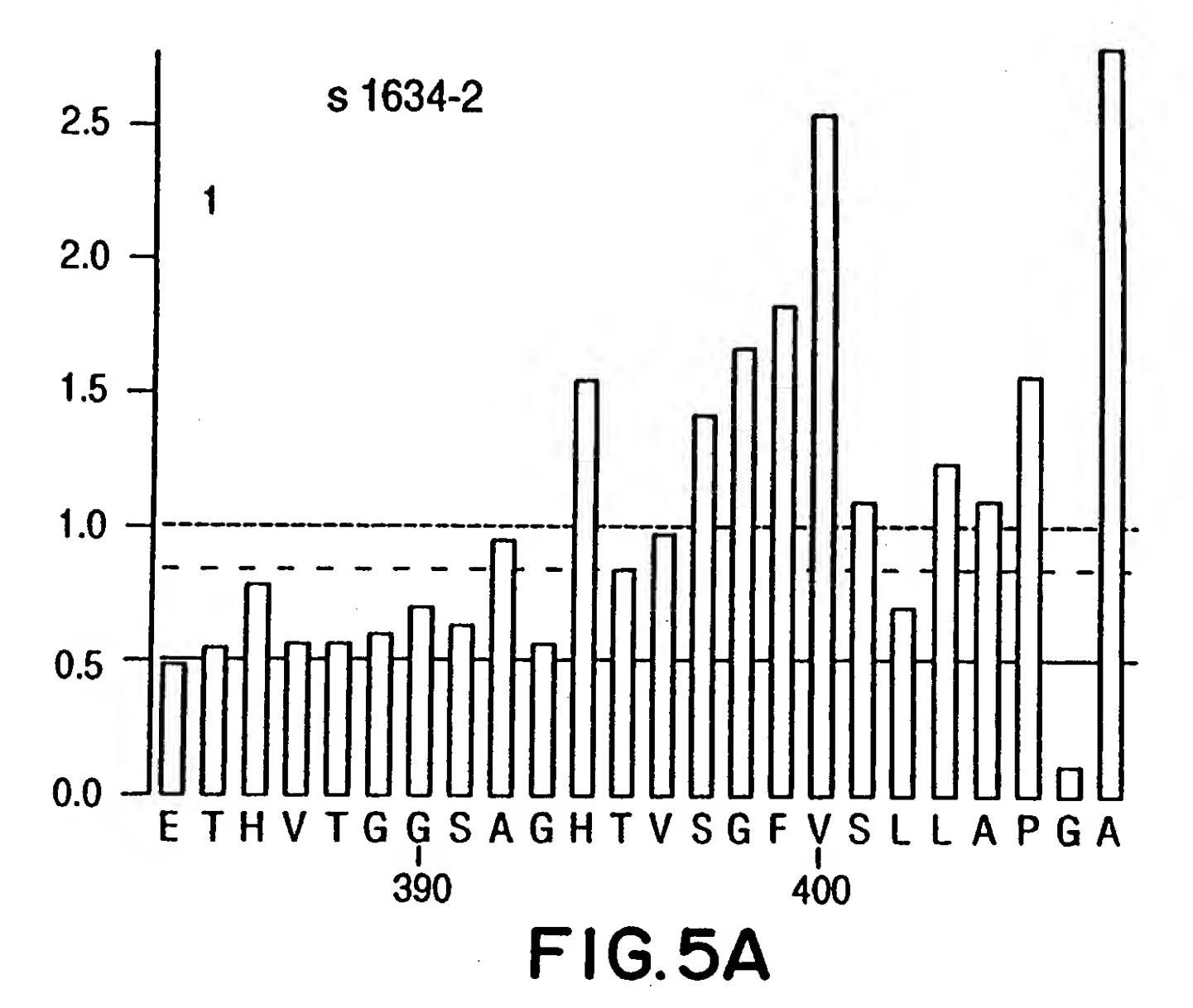
TECH CENTER 1600/2900^2H JUL 2 2 2003 temporal sequentially 395-407 appears to be least conserved between AA individual patients (see Fig. 3). 398 in Position isolates

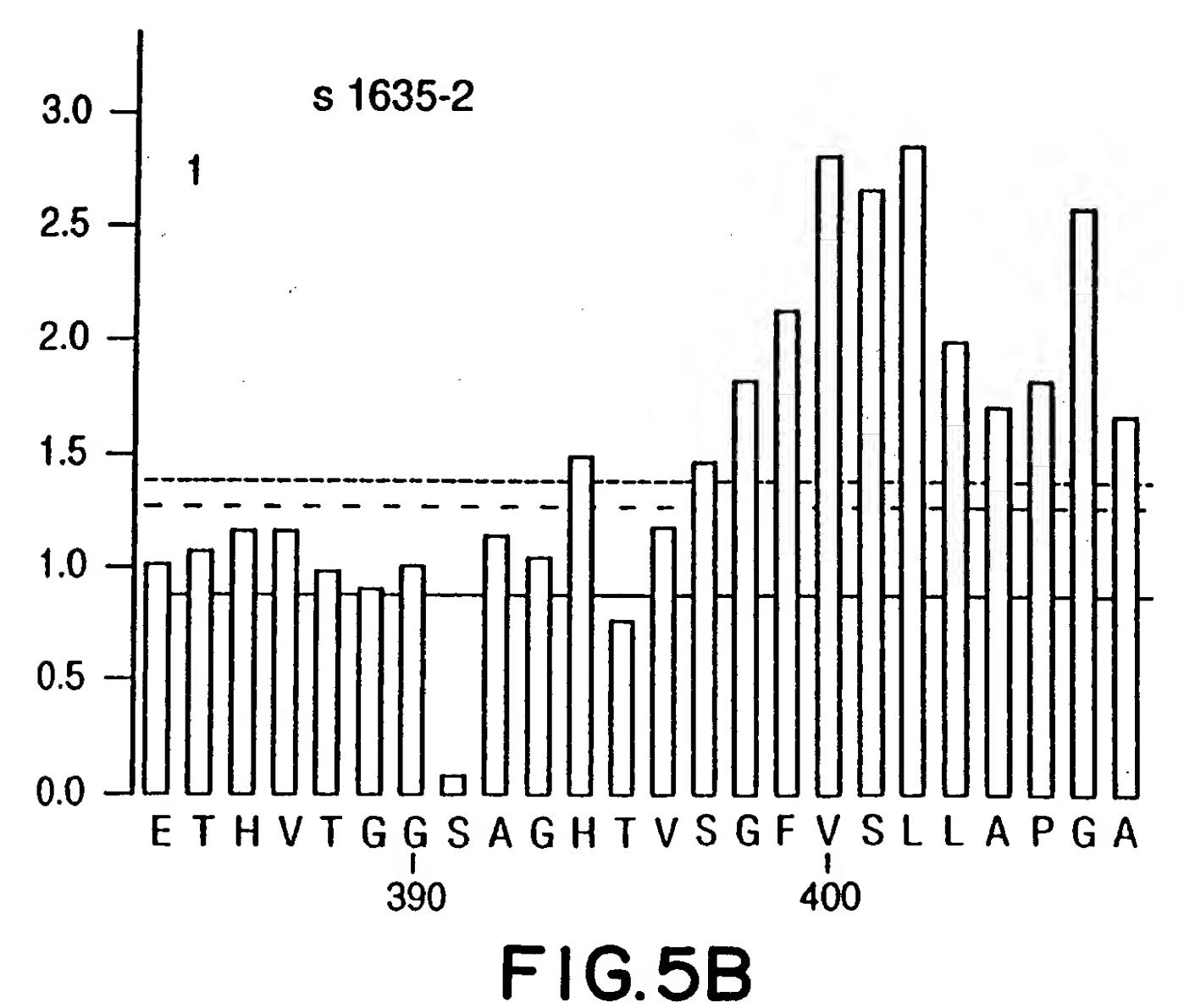
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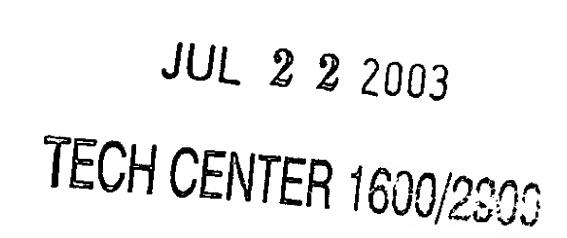
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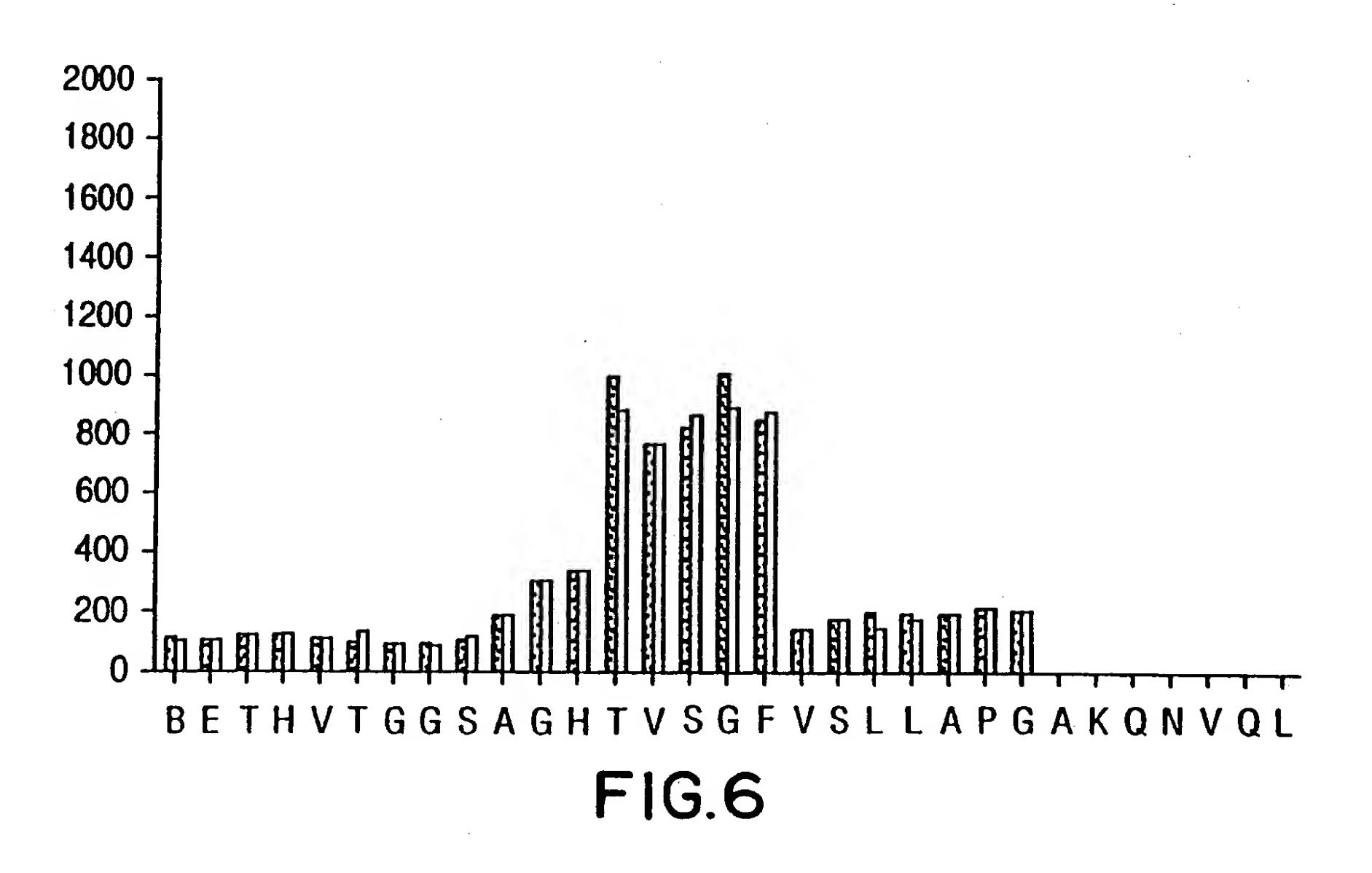














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